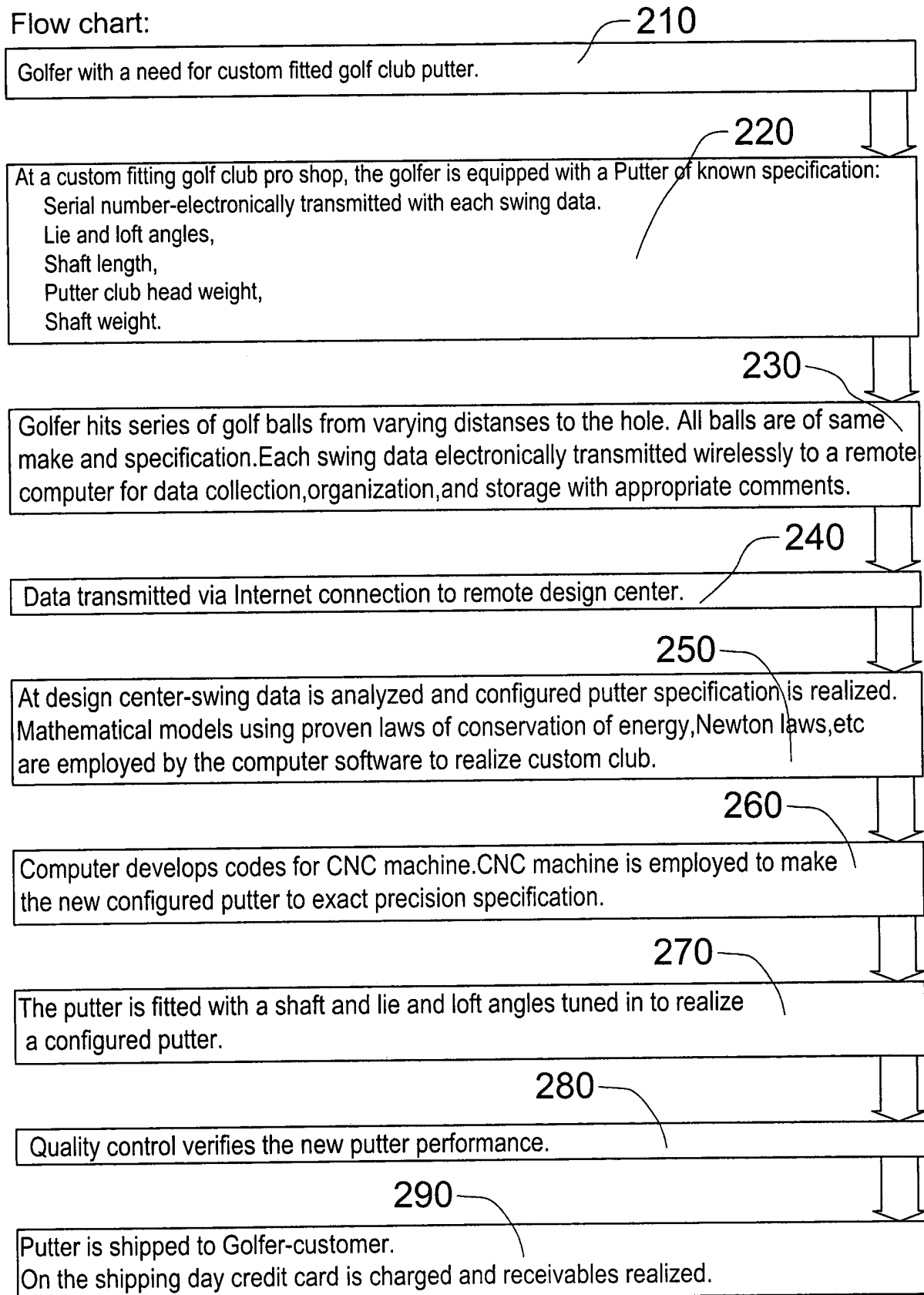


FIG. 1

Flow chart:



*FIG. 2*

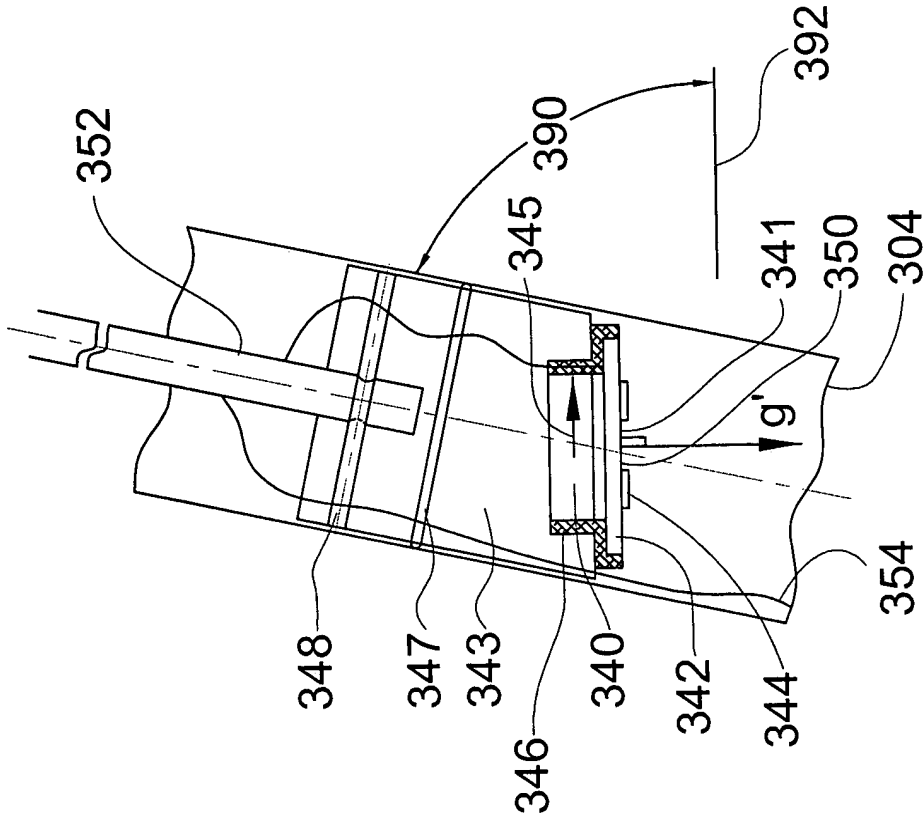


FIG. 3a

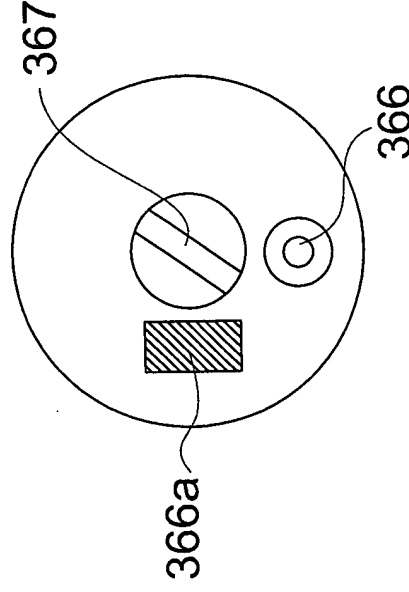


FIG. 3b



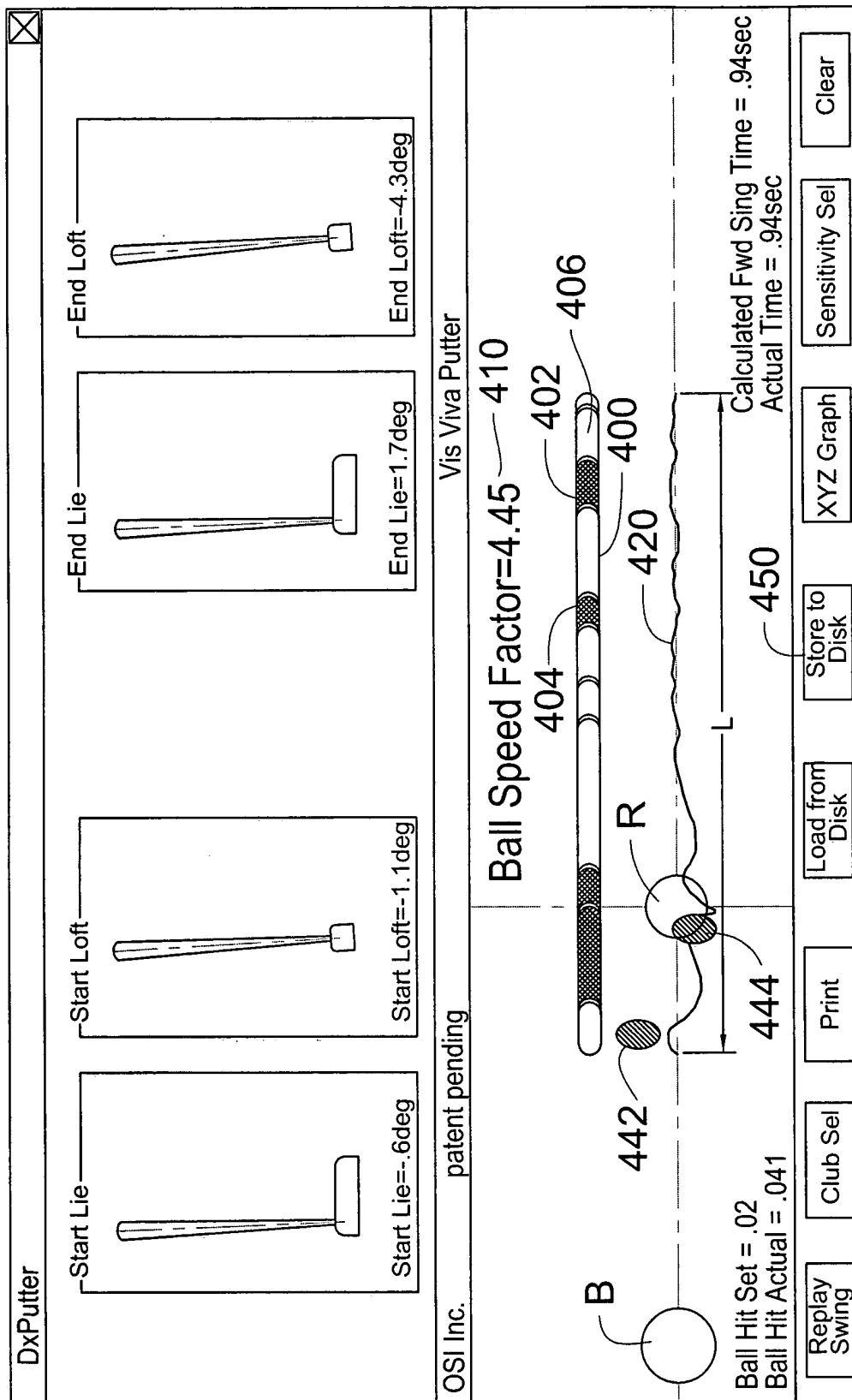


FIG. 4

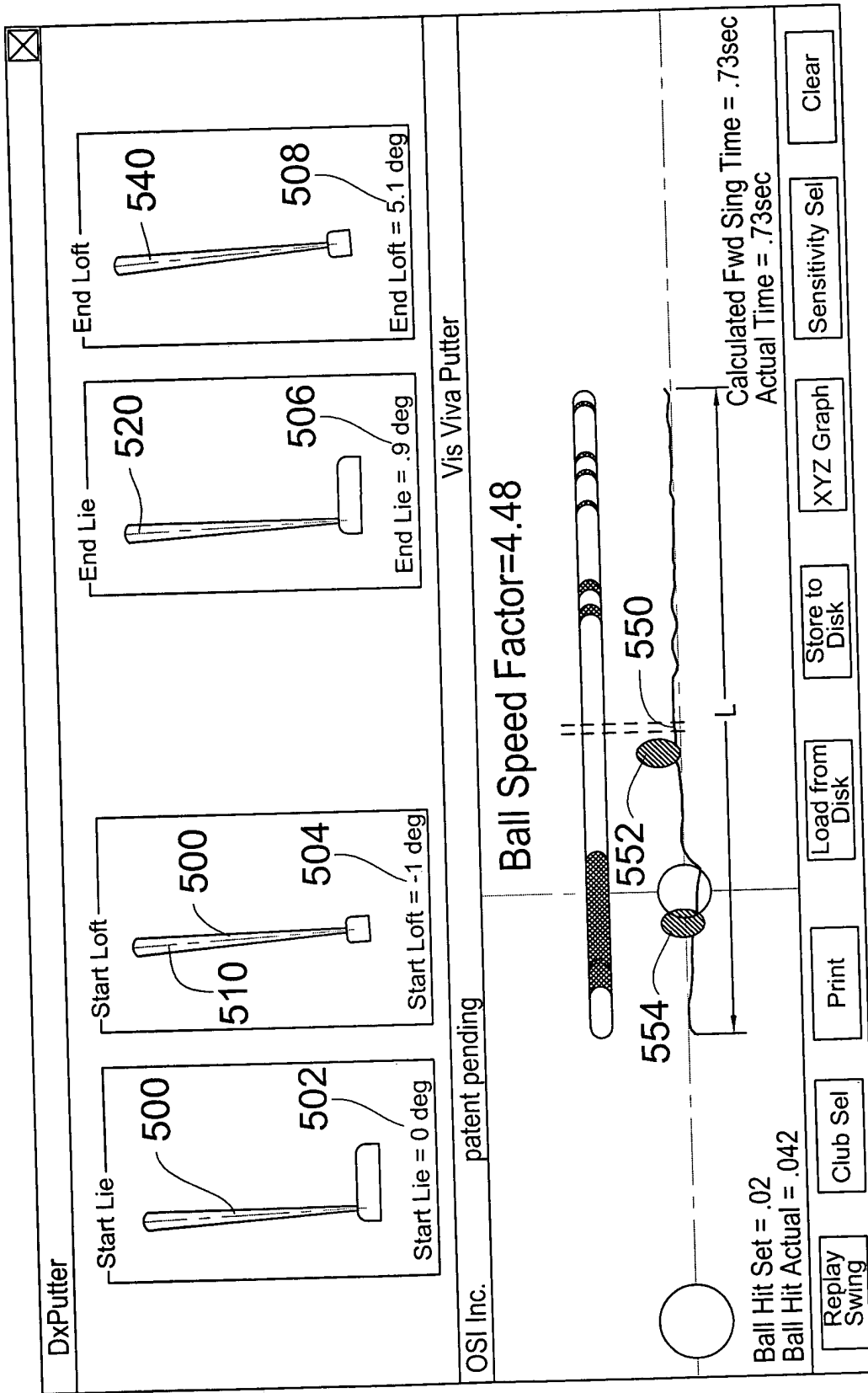


FIG. 5

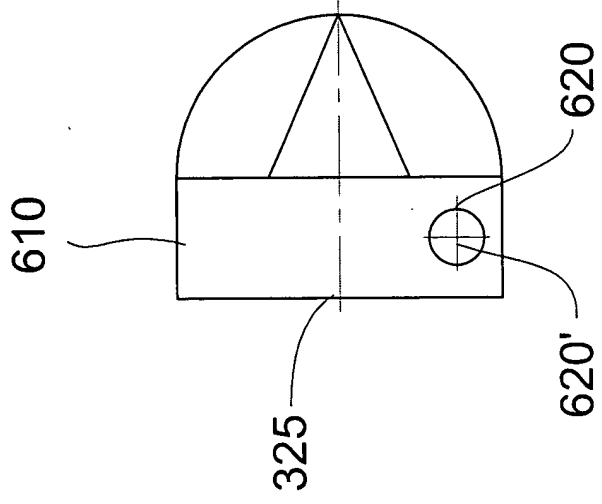


FIG. 6A

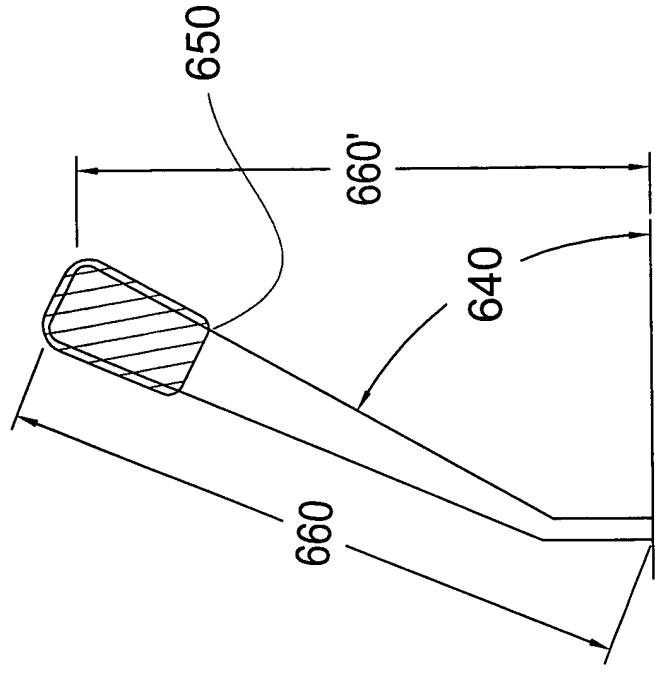


FIG. 6B

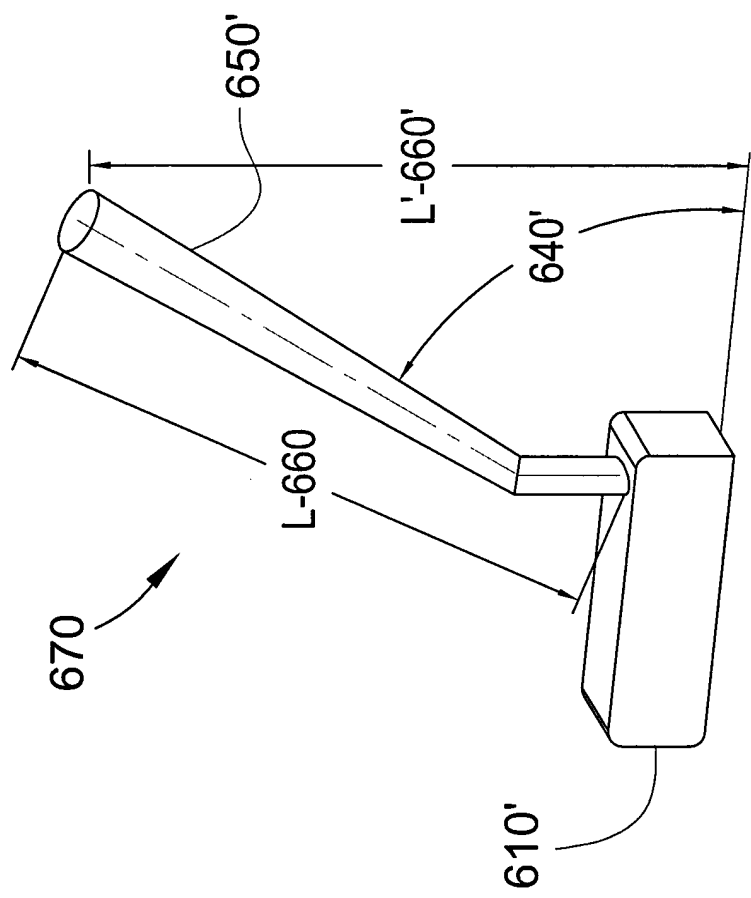


FIG. 6C



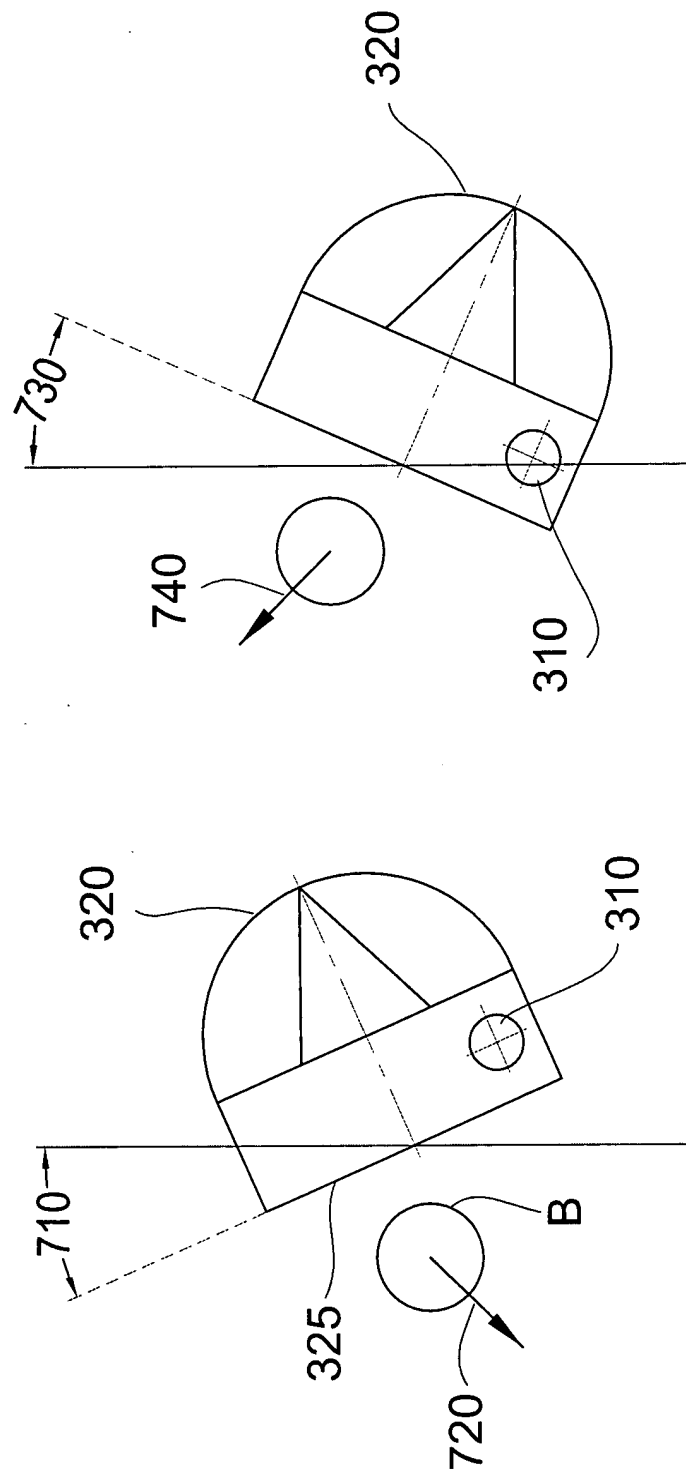


FIG. 7A

FIG. 7B

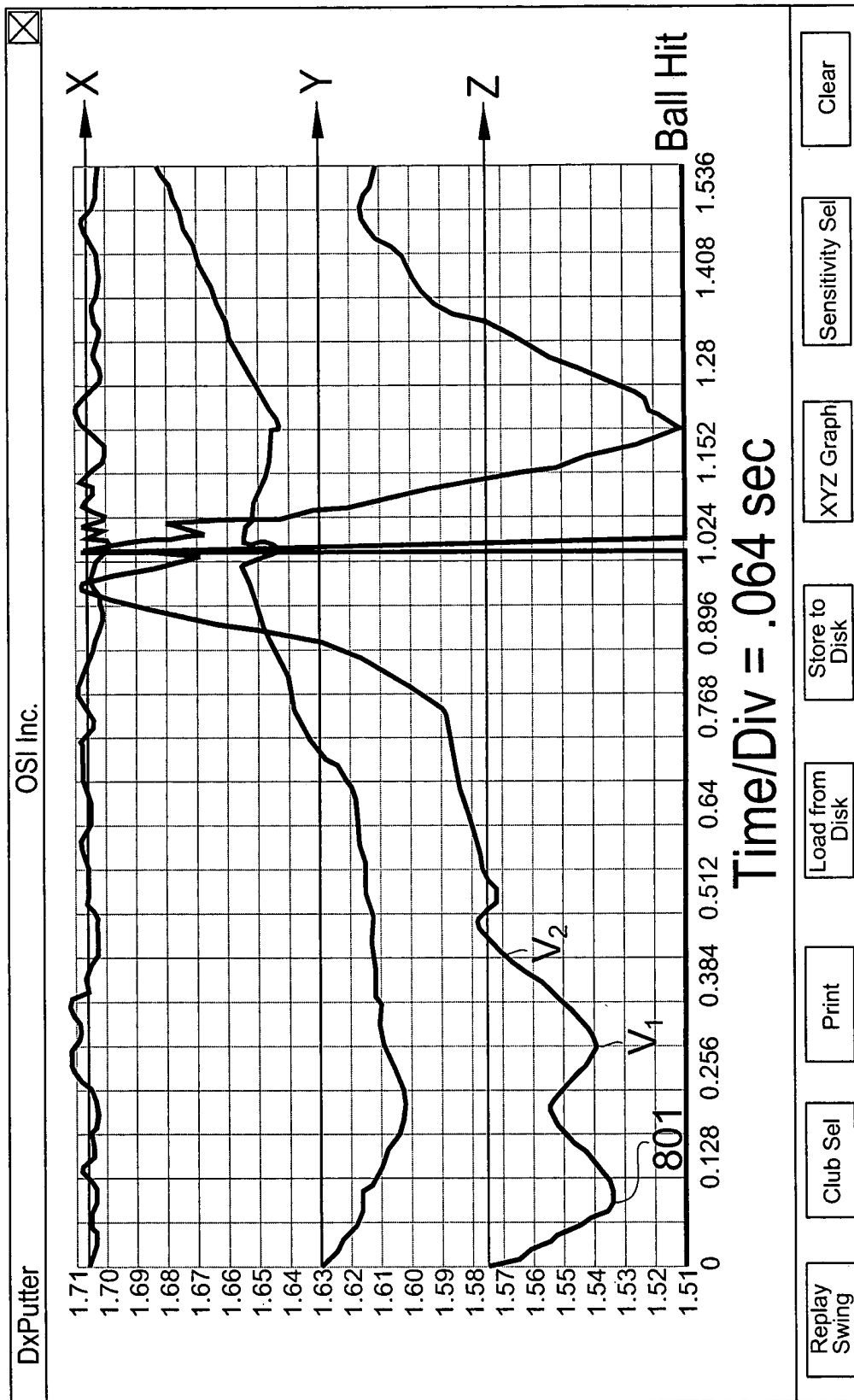


FIG. 8

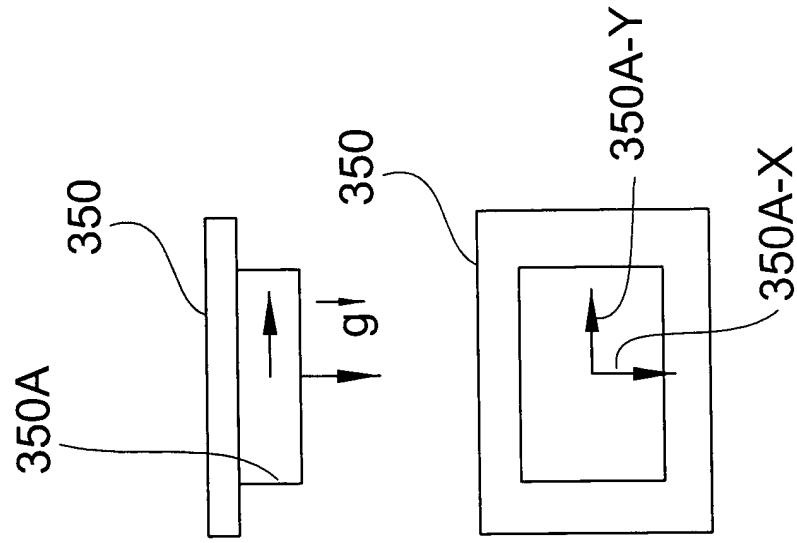
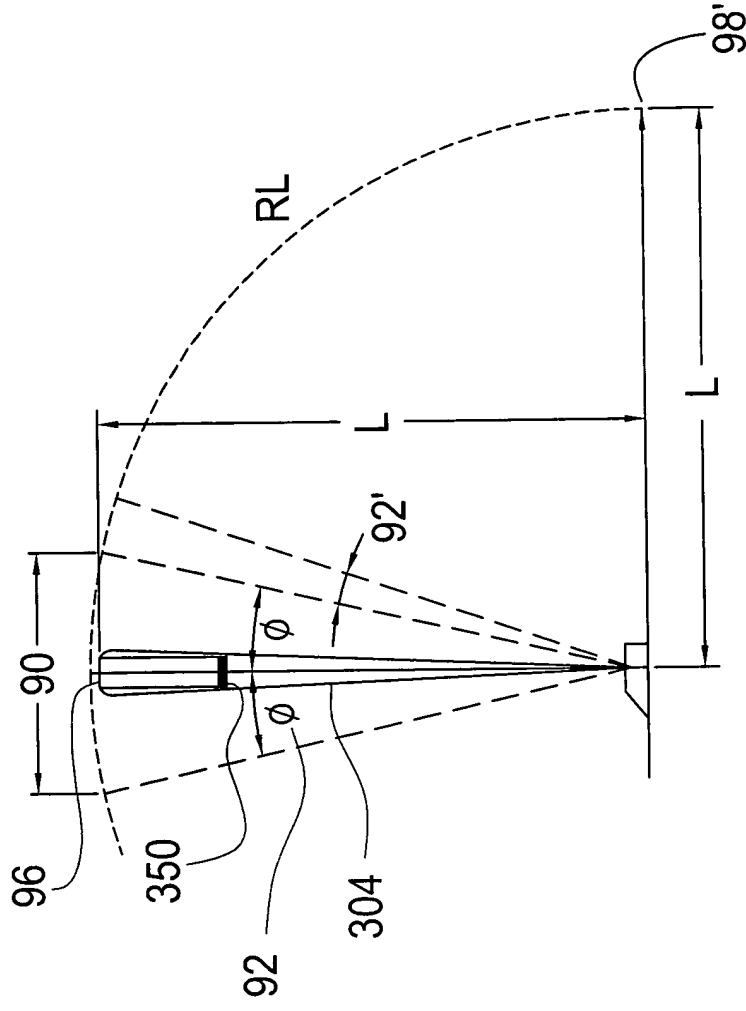


FIG. 9A



$$\text{Lie Angle} = \text{ASIN} (A_x/g)$$

$$\text{Loft Angle} = \text{ASIN} (A_y/g)$$

$\phi$  = Angular displacement for lie and loft angle

FIG. 9

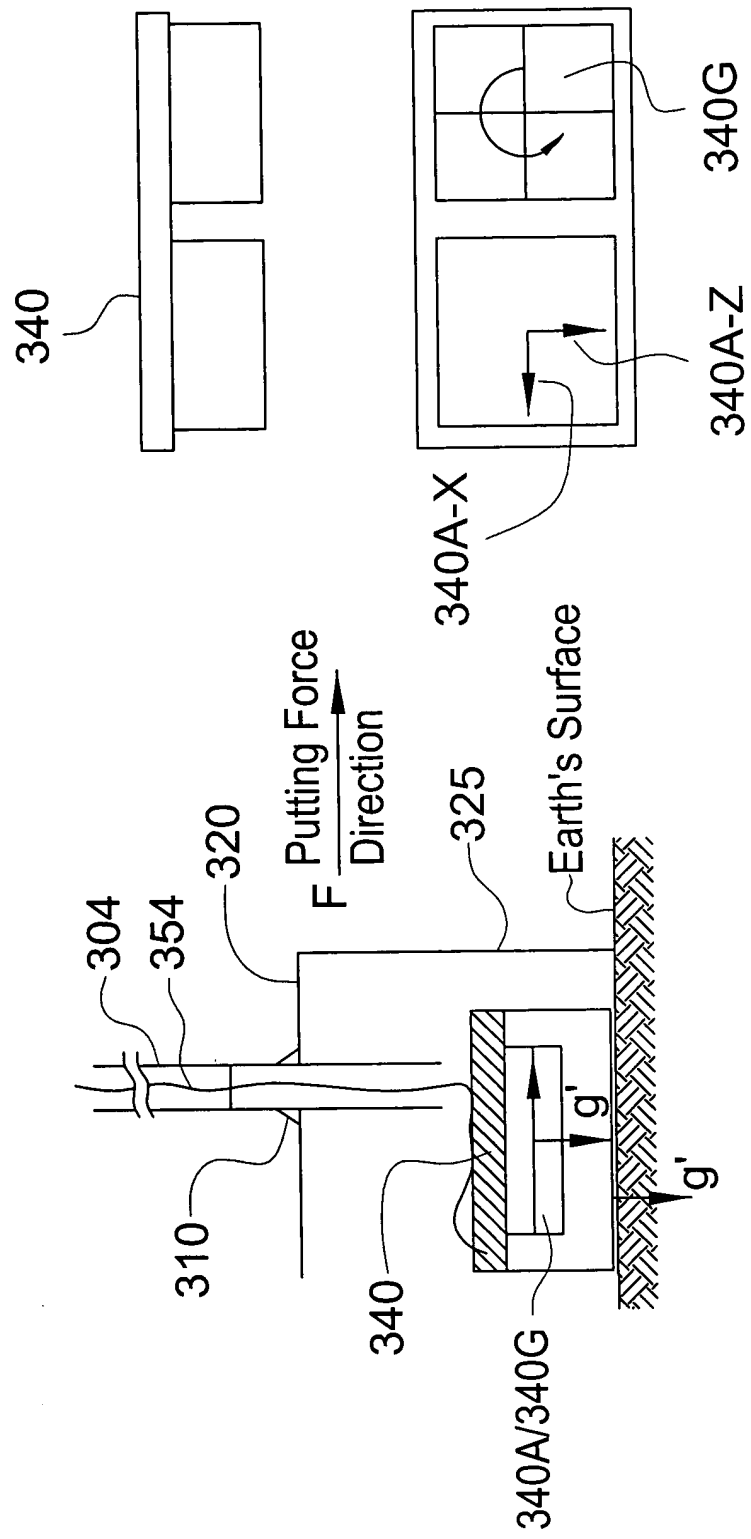
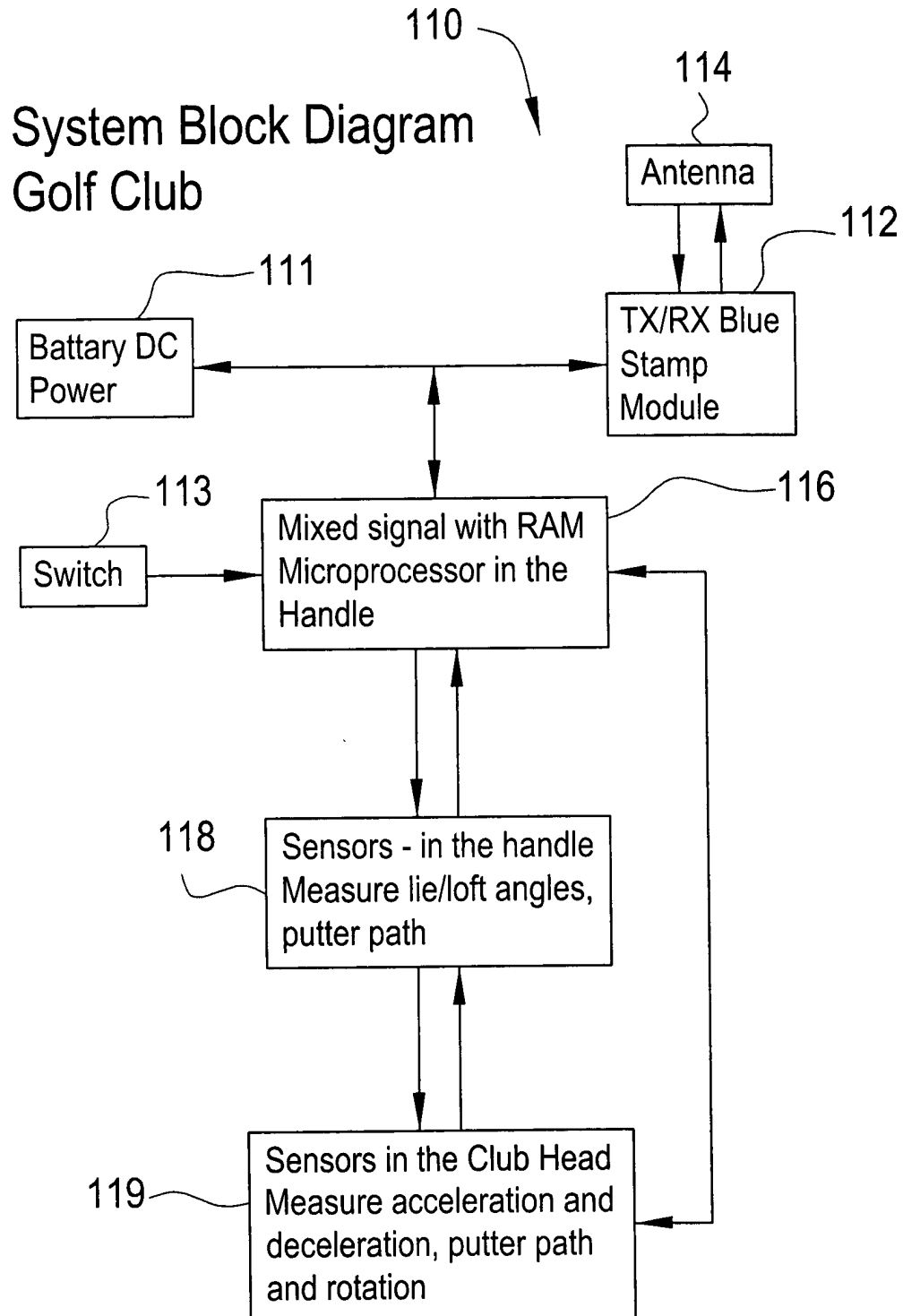
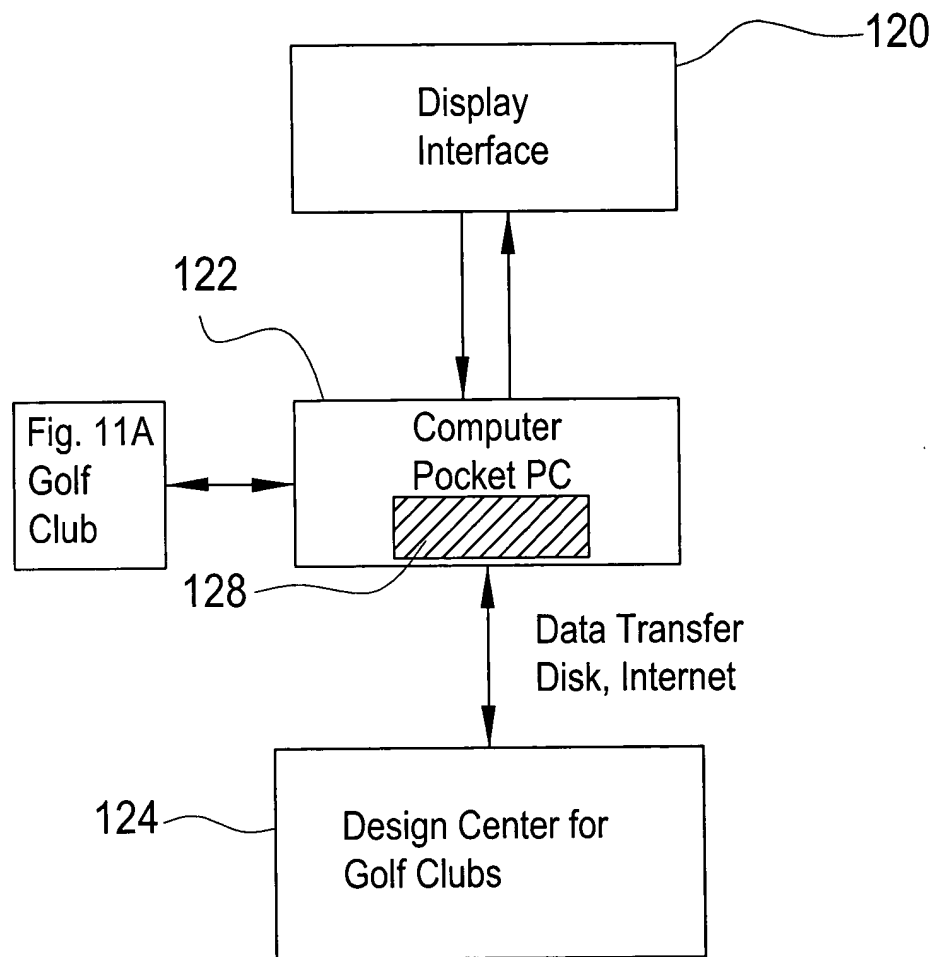


FIG. 10



*FIG. 11A*

## System Block Diagram



*FIG. 11B*